

“What Plants Talk About”

Nature

AP Biology

Lindemulder

1. Explain how Cahill set up his experiment about root growth. What did he learn from it?
2. What makes the Dodder Vine unlike other plants? What does it mean to say it is an obligate parasite?
3. Explain De Moraes and Mescher’s experiments with the dodder vine. What did they learn? How is the plant able to accomplish this?
4. In what ways does the *Nicotiana attenuata* (wild tobacco plant) respond to stress in its environment?
5. What is spotted knapweed (*Centaurea maculosa*)? How does it impact its the ecosystem?
6. How does spotted knapweed behave below the soil? How does lupine (*Lupinus perennis*) combat this?
7. What results were observed in the sea rocket experiments? What do the experiments with sea rockets tell us?
8. Explain the interaction between fungi and plants beneath the soil.
9. Explain the experiment conducted with Douglas Fir. What does this tell us about the forest ecosystem?

“What Plants Talk About”

Nature

AP Biology

Lindemulder

1. Explain how Cahill set up his experiment about root growth. What did he learn from it?
2. What makes the Dodder Vine unlike other plants? What does it mean to say it is an obligate parasite?
3. Explain De Moraes and Mescher’s experiments with the dodder vine. What did they learn? How is the plant able to accomplish this?
4. In what ways does the *Nicotiana attenuata* (wild tobacco plant) respond to stress in its environment?
5. What is spotted knapweed (*Centaurea maculosa*)? How does it impact its the ecosystem?
6. How does spotted knapweed behave below the soil? How does lupine (*Lupinus perennis*) combat this?
7. What results were observed in the sea rocket experiments? What do the experiments with sea rockets tell us?
8. Explain the interaction between fungi and plants beneath the soil.
9. Explain the experiment conducted with Douglas Fir. What does this tell us about the forest ecosystem?